



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/09422		Page No: 1 of 1
Customer Name & Address		
GOVERNMENT PRIMARY HEALTH CENTRE, EDAYAMELUR-630562.	SRF No.	SRF/23/00277- 0029
	SRF Date	29-07-2023
	Date of Receipt	29-07-2023
	Date of Calibration	29-07-2023
	Due Date for Calibration	28-07-2024
	Issue Date	29-07-2023

Details of Unit Under Calibration			
Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	10-100 µl	Model	FINNPIPETTE F3
Resolution	0.2 µl	Material	PVC
Serial Number	QW10847	Operating Range	10-100 µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LAB

Environmental Condition				Calibration Method Used	
Temperature (°C)	23.6	Humidity (%RH)	55	National / International Standard	ISO 8655-6:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SBS/CP/ML/08

Standard Used						
SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSP/L22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

Result of Calibration in µl											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	10	9.93	9.94	9.92	9.95	9.96	9.94	-0.06	0.02	0.47	
		9.95	9.93	9.96	9.97	9.93					
2	50	49.83	49.84	49.82	49.85	49.86	49.84	-0.16	0.02	0.47	
		49.81	49.82	49.84	49.86	49.85					
3	100	99.74	99.73	99.72	99.76	99.75	99.73	-0.27	0.02	0.47	
		99.70	99.71	99.74	99.75	99.73					

Remarks

- 1.This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- 2.The user should determine the suitability of the instrument for its intended use.
- 3.The recalibration interval should be determined on the user requirement.
- 4.The results stated in this certificate relate only to the item calibrated.
5. Equipment used for Calibration were calibrated & traceable to National & International Standards
- 6.The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00 .
7. Calibration Liquid Used: Distilled or Deionized water conforming to grade 3 as specified in ISO 3696.

Calibrated By:
(Calibration Engineer)
M.RAGUL



Authorised by:

(Quality Manager/Chief Executive)
D.VETRI SELVI

SUNSHINE BIOMEDICAL SOLUTIONS

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